

FIG. 1

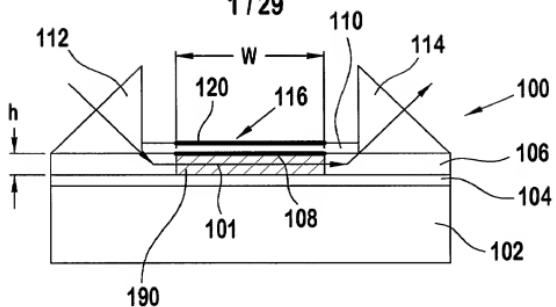


FIG. 2

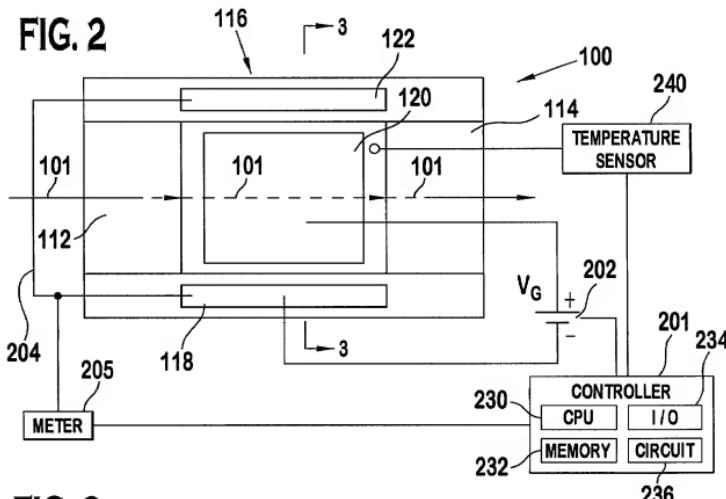


FIG. 3

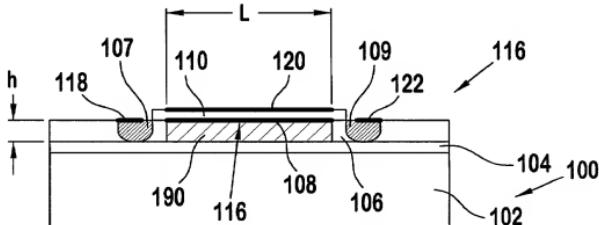


FIG. 4

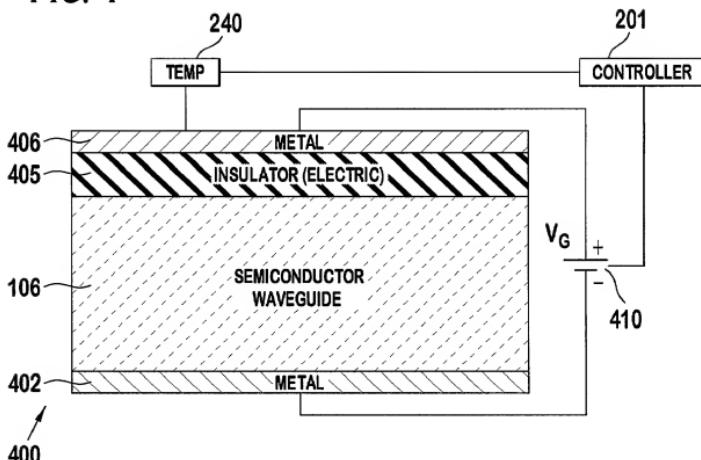


FIG. 5

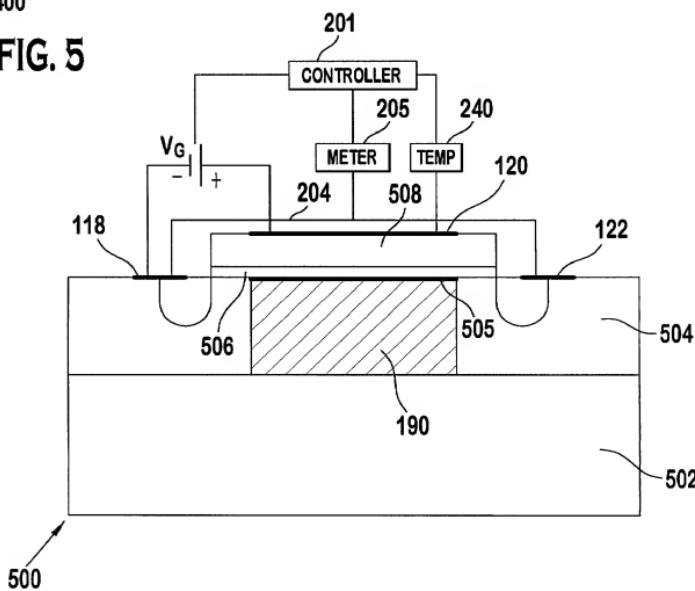


FIG. 6

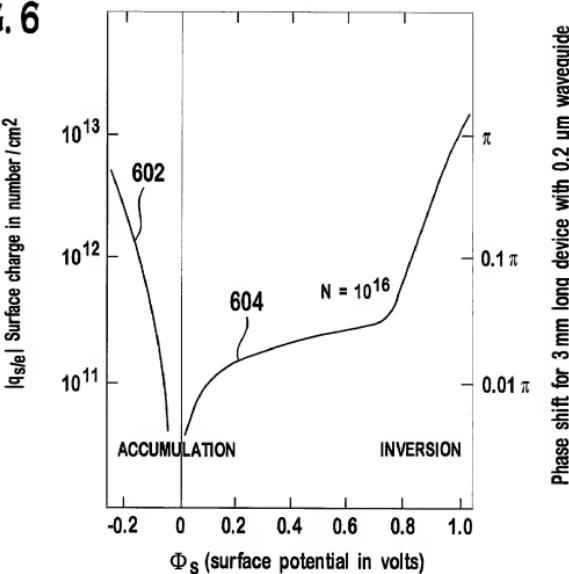
Phase shift for 3 mm long device with $0.2 \mu\text{m}$ waveguide

FIG. 7

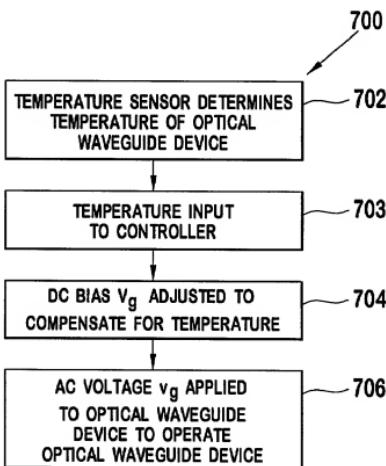


FIG. 8

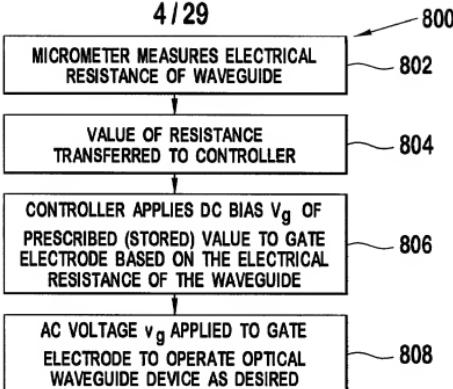


FIG. 9

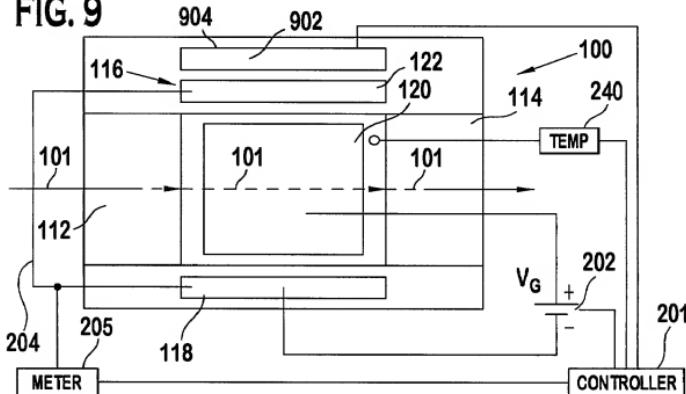


FIG. 10

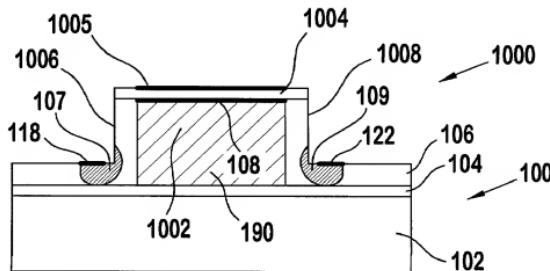


FIG. 11

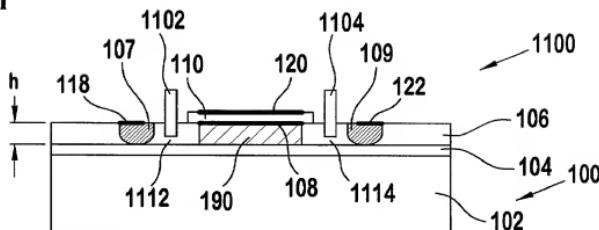


FIG. 12

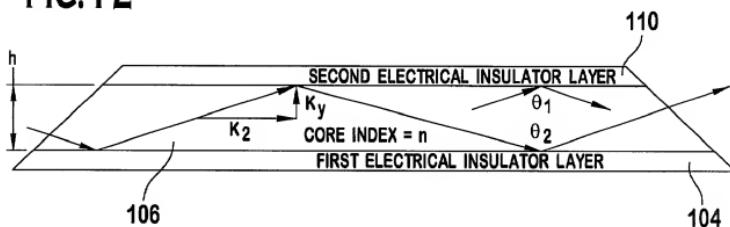
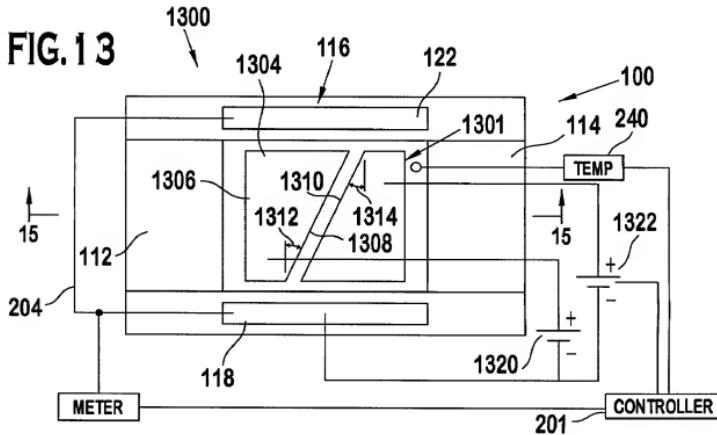


FIG. 13



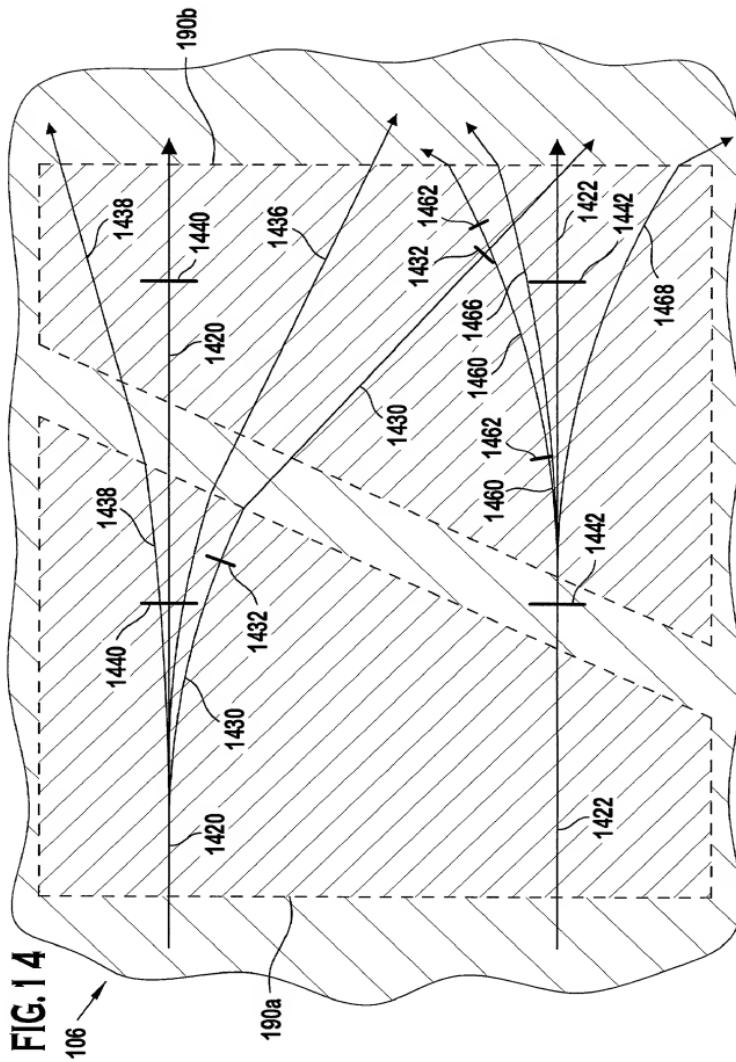


FIG. 14

FIG. 15A

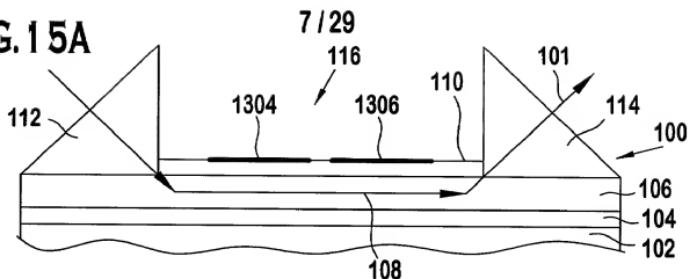


FIG. 15B

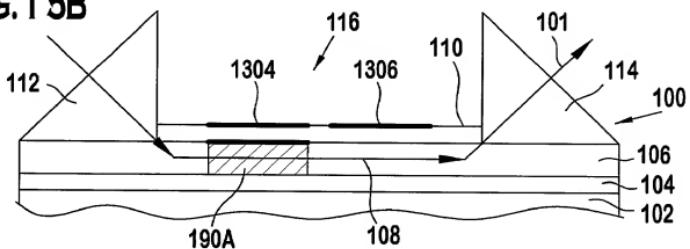


FIG. 15C

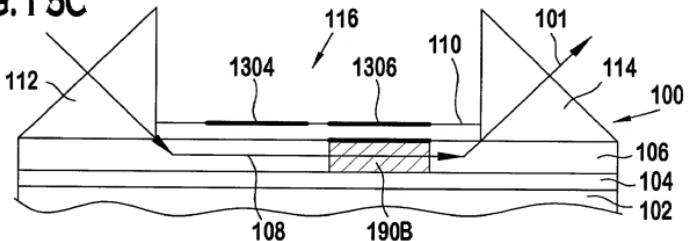


FIG. 15D

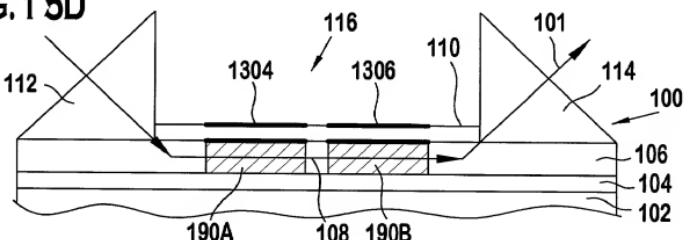


FIG. 16

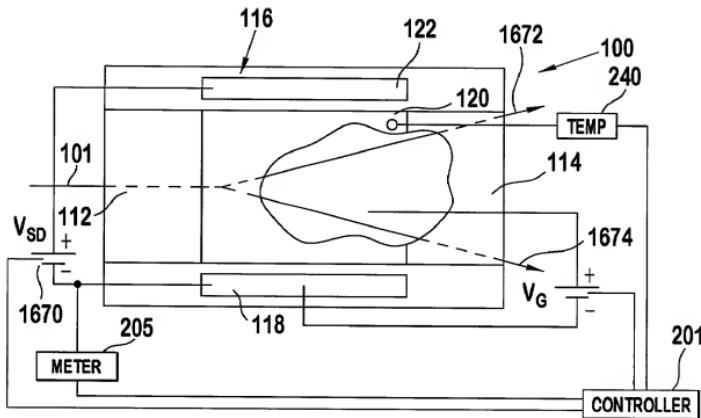


FIG. 17

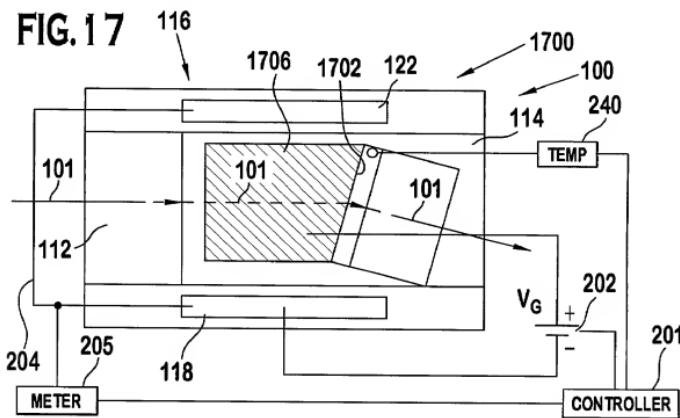


FIG. 18

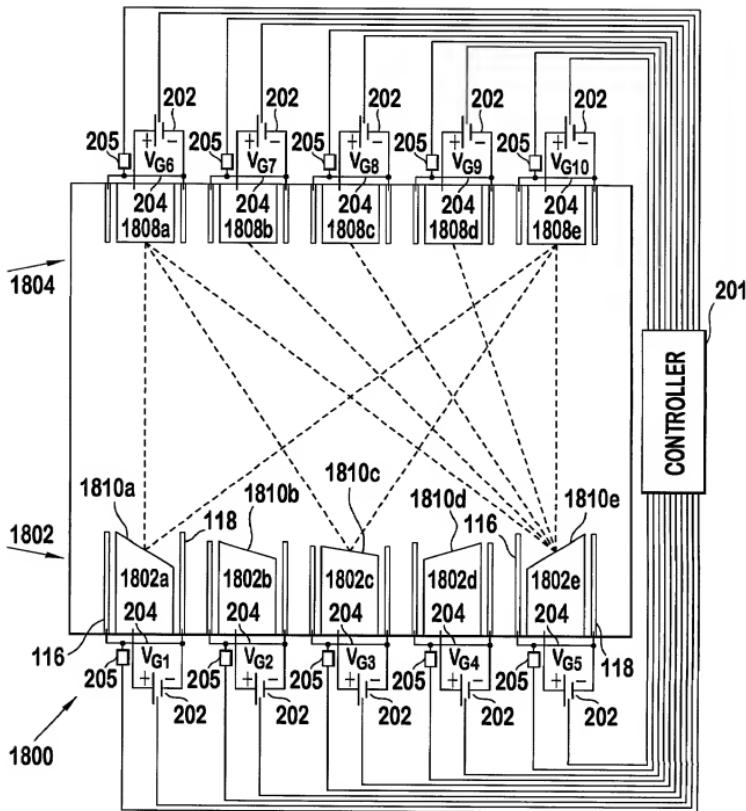


FIG. 19

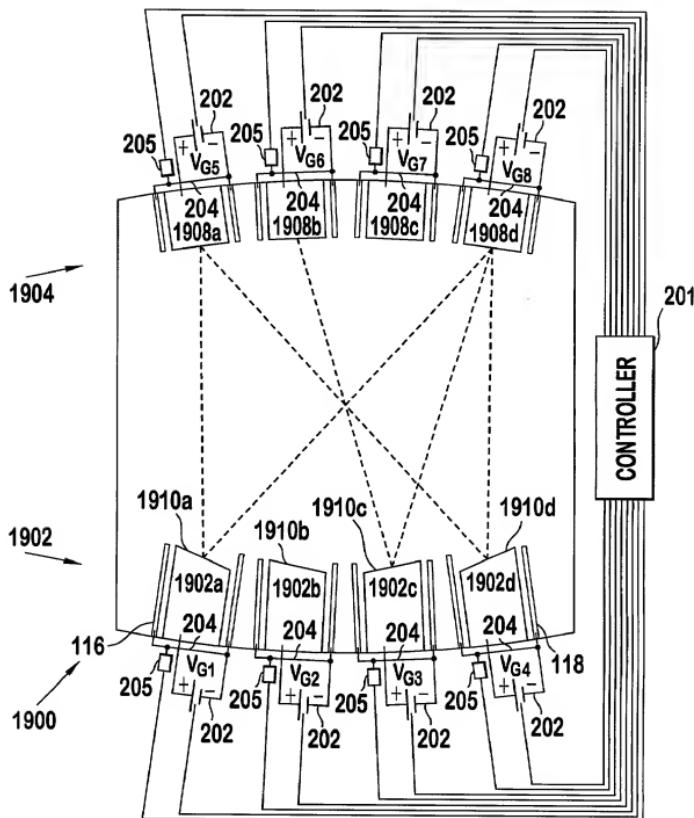


FIG. 20

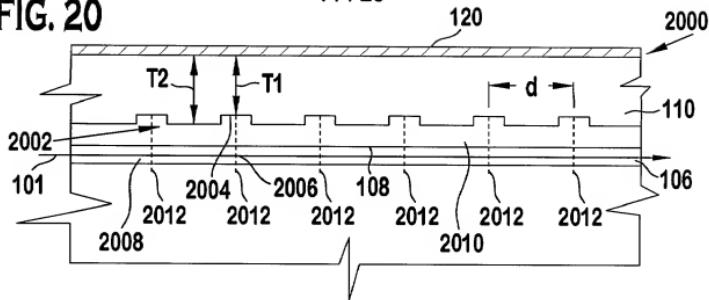


FIG. 21

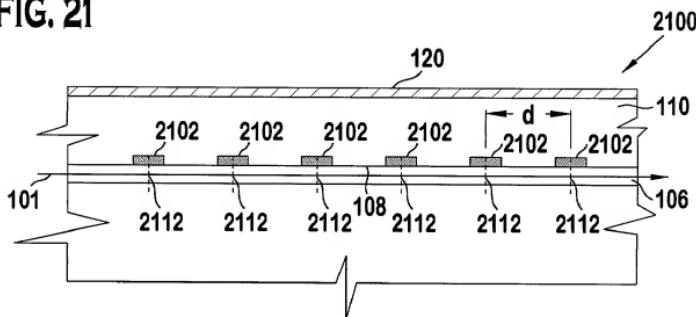


FIG. 22

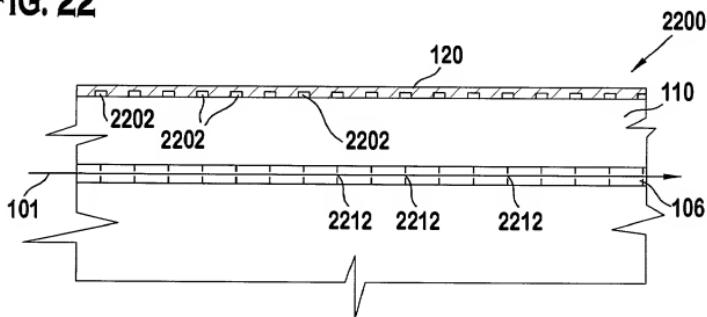


FIG. 23

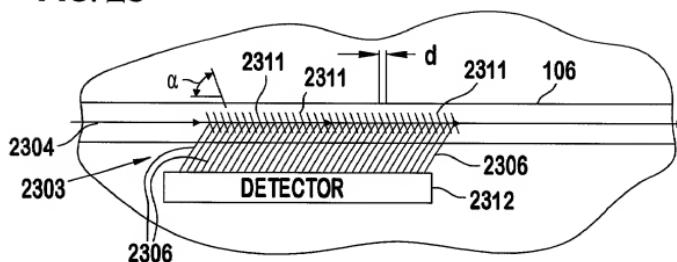


FIG. 24

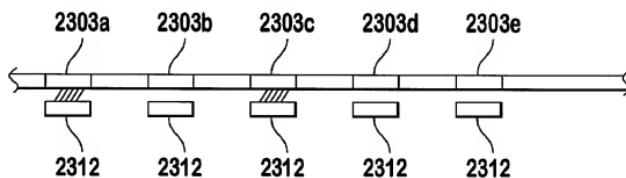


FIG. 25

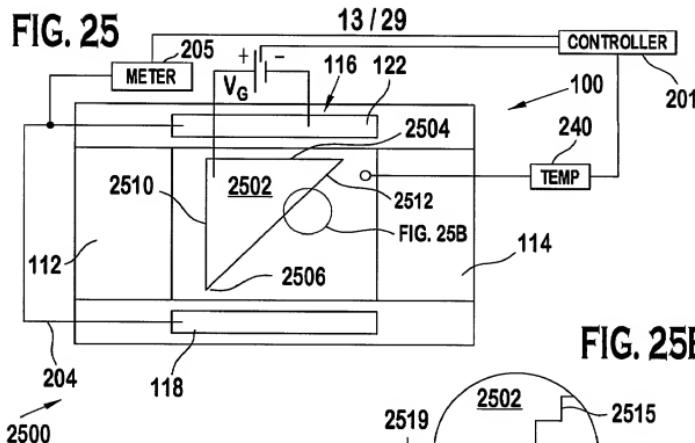
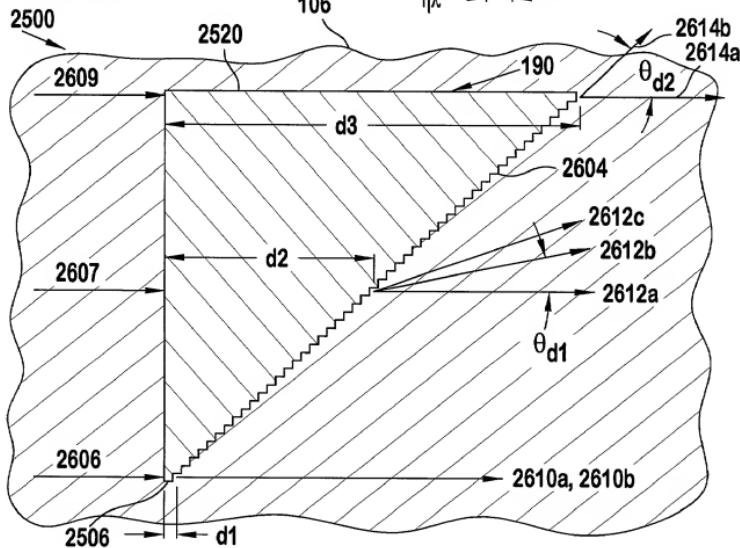


FIG. 25B

FIG. 26



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FIG. 27

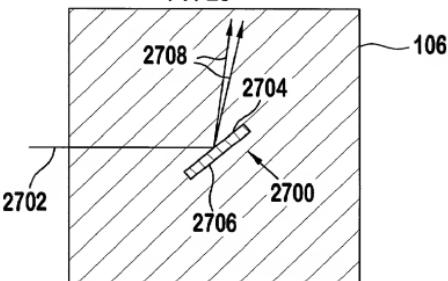


FIG. 28

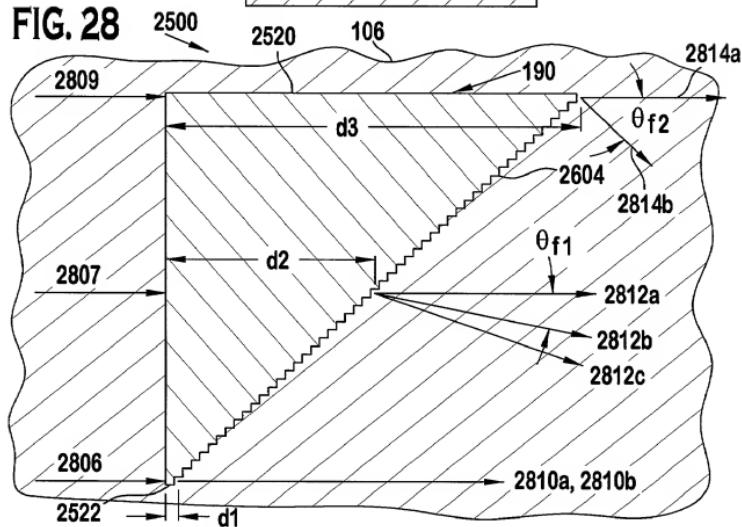


FIG. 29

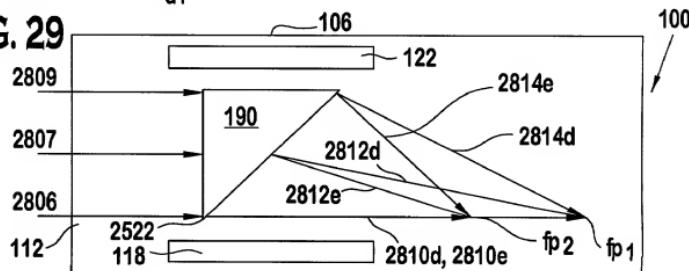


FIG. 30

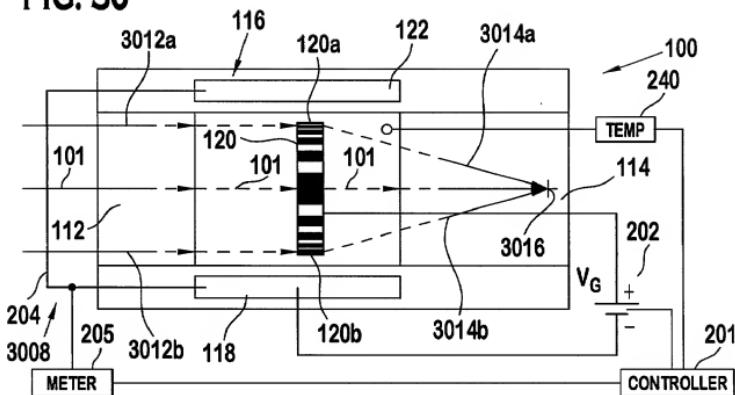


FIG. 30A

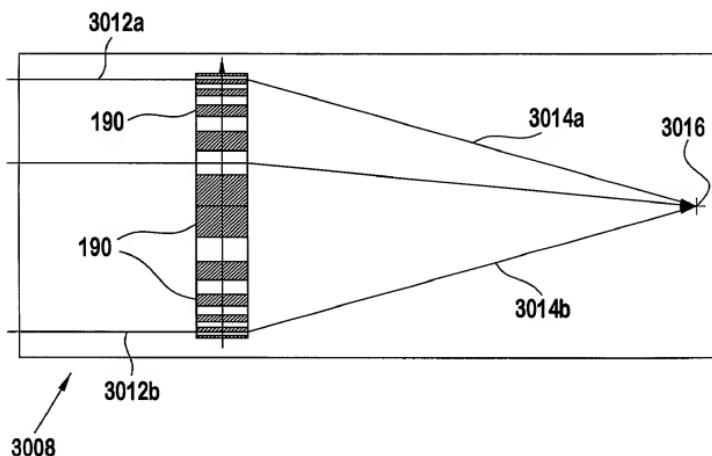


FIG. 31

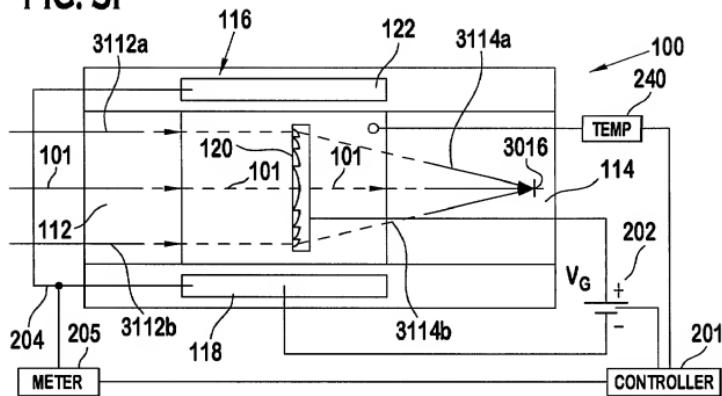


FIG. 31 A

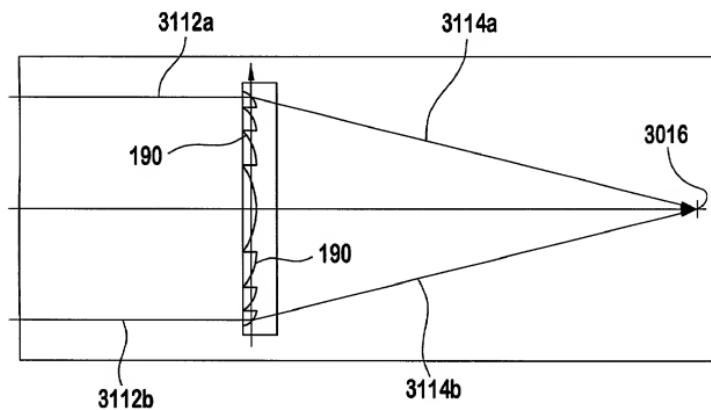


FIG. 32

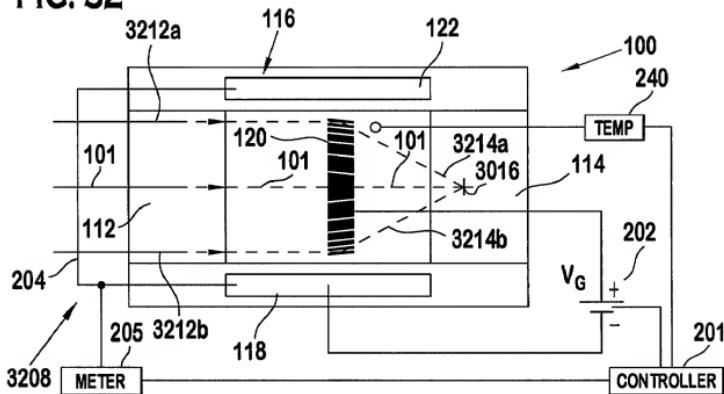


FIG. 32A

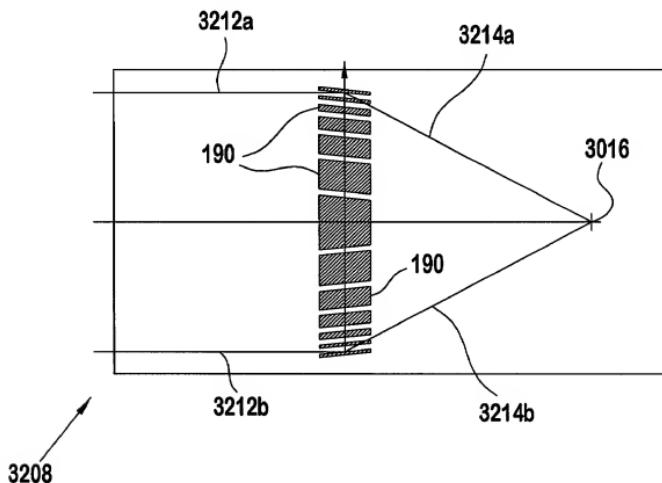


FIG. 33

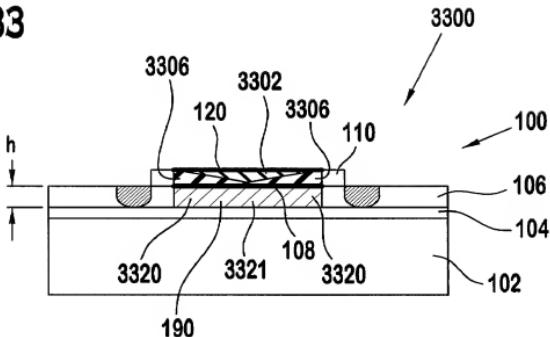


FIG. 34

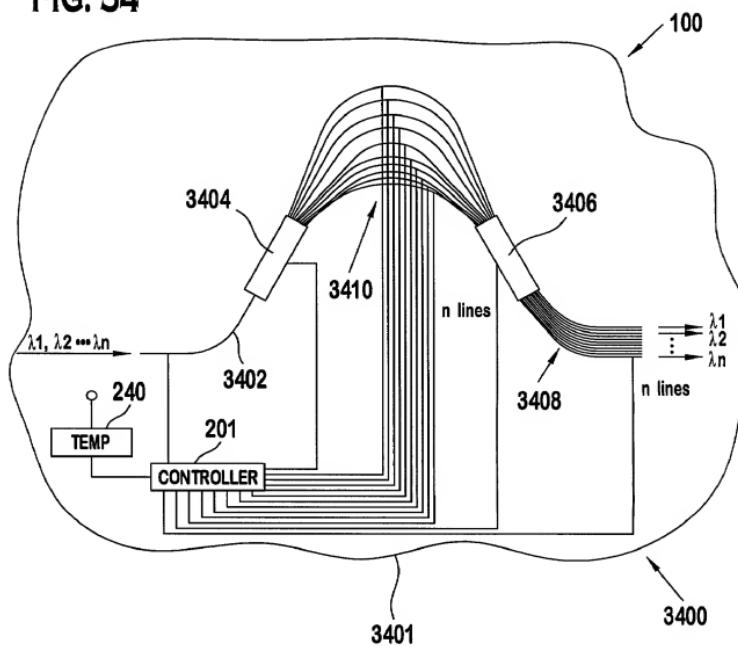


FIG. 35

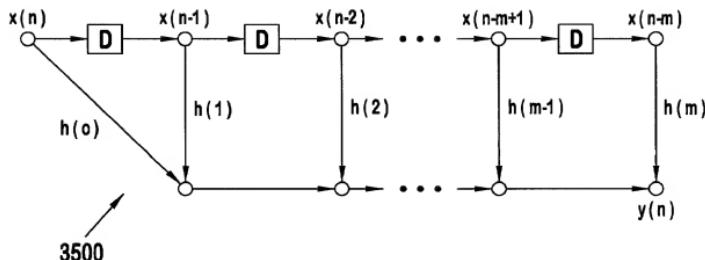
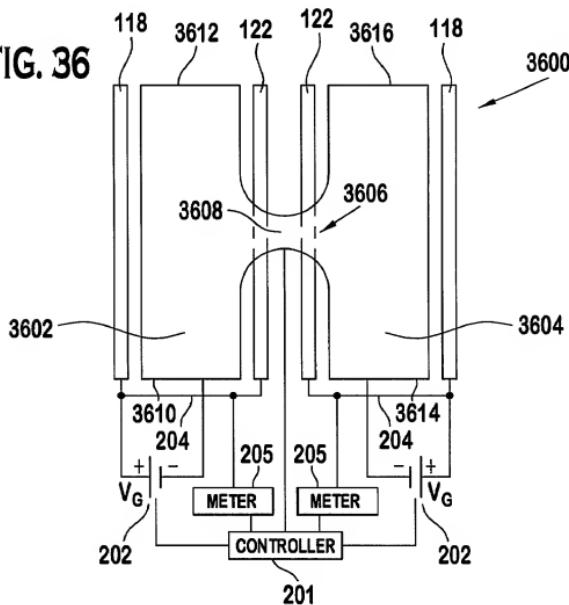


FIG. 36



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FIG. 37

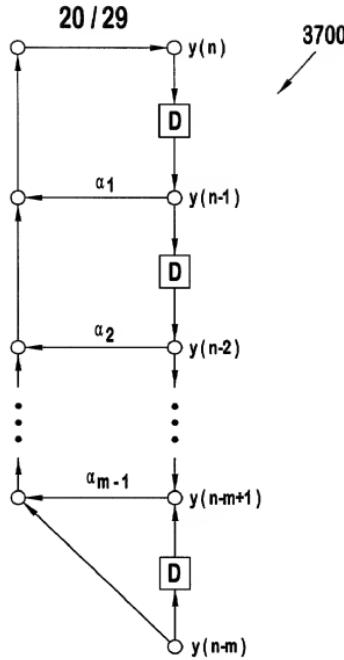


FIG. 38

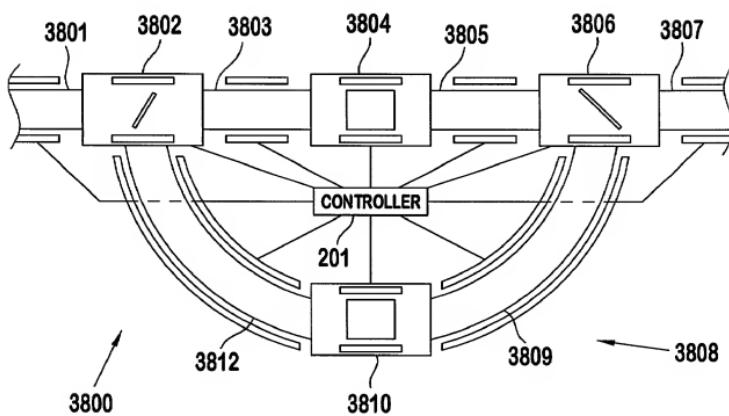


FIG. 39

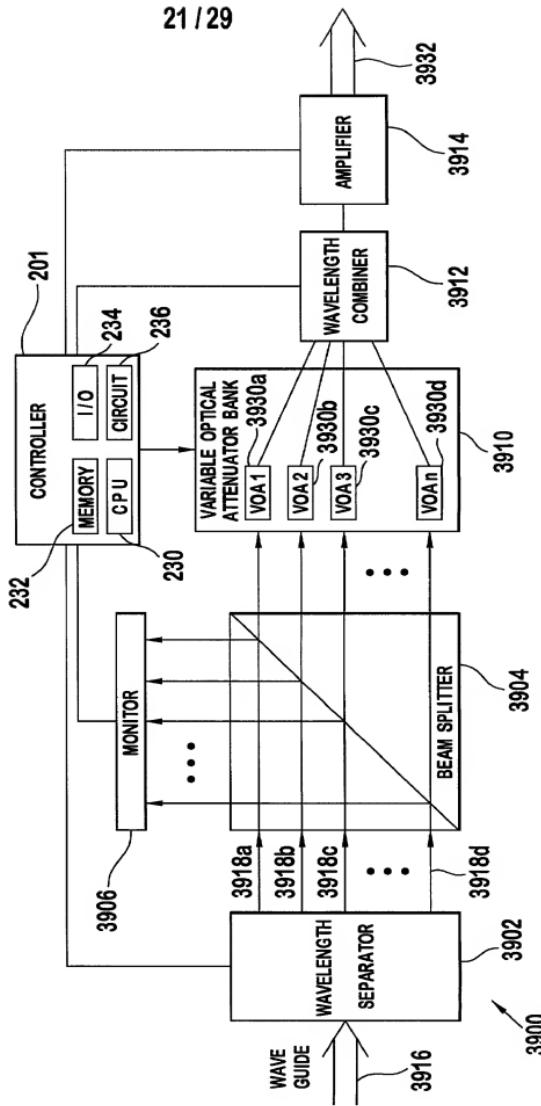
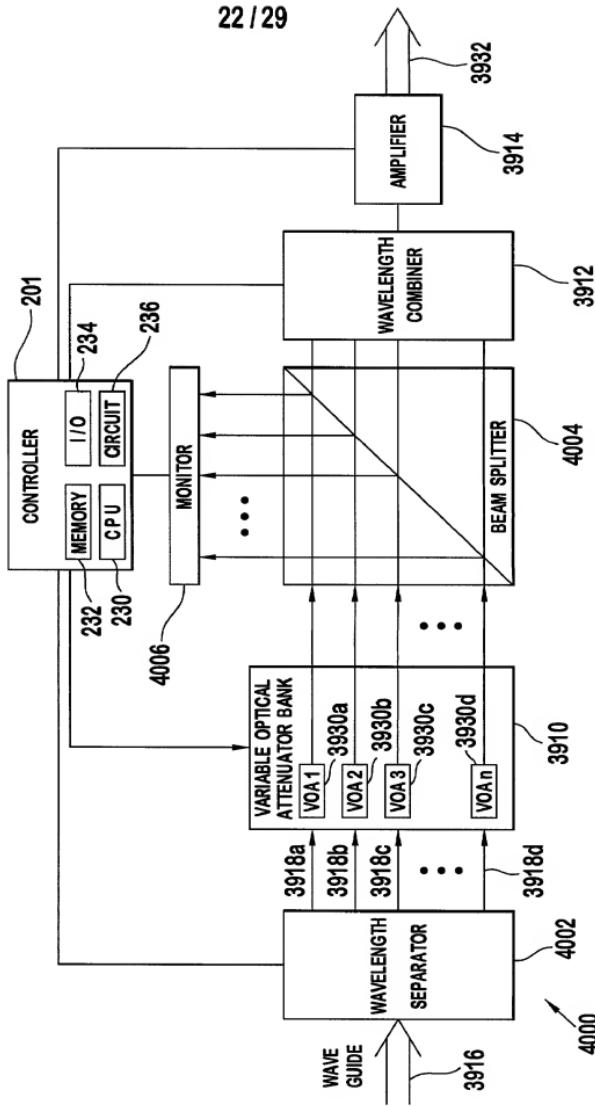


FIG. 40



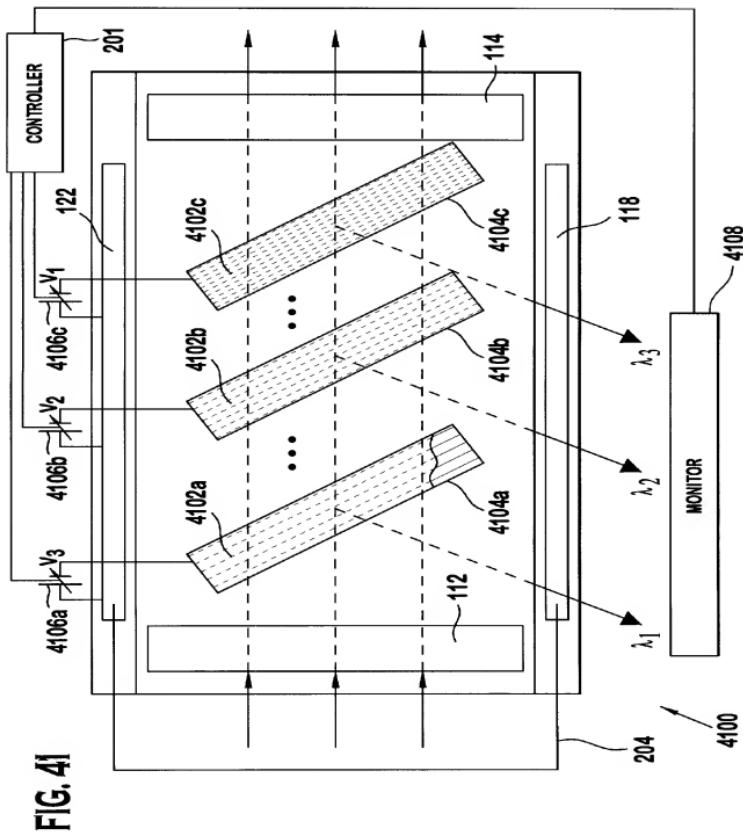


FIG. 42

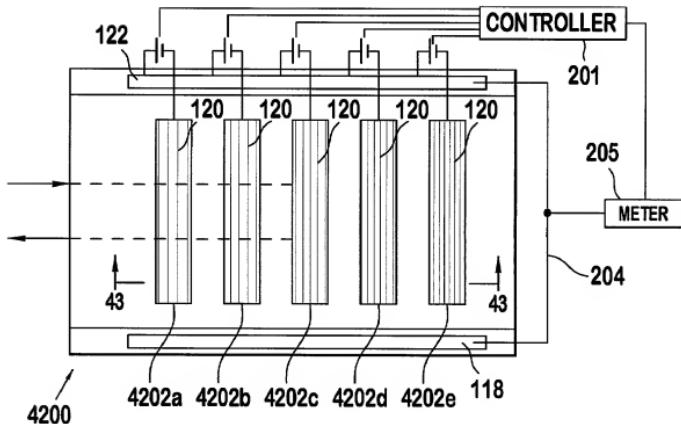
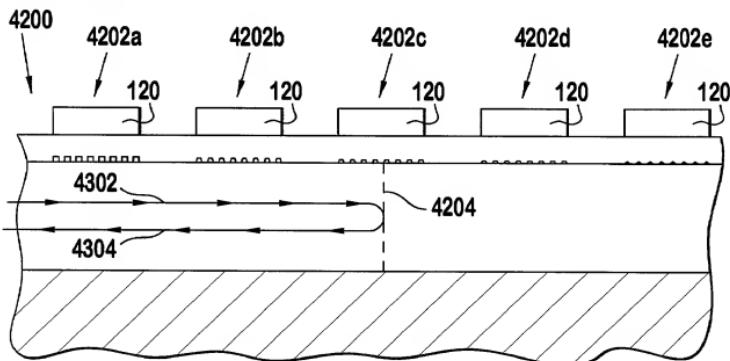


FIG. 43



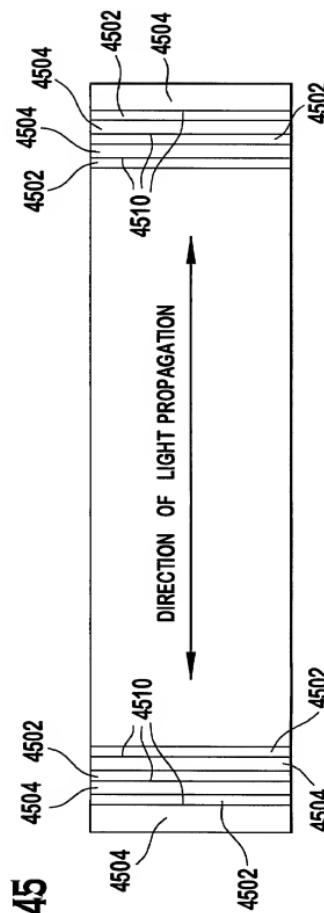
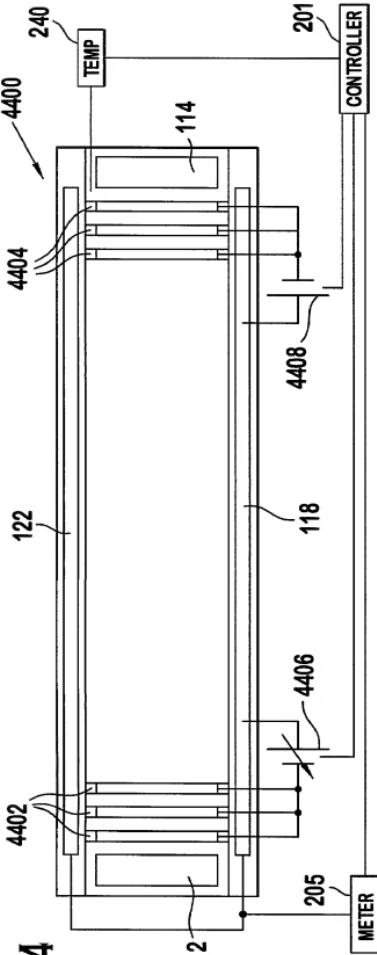


FIG. 46

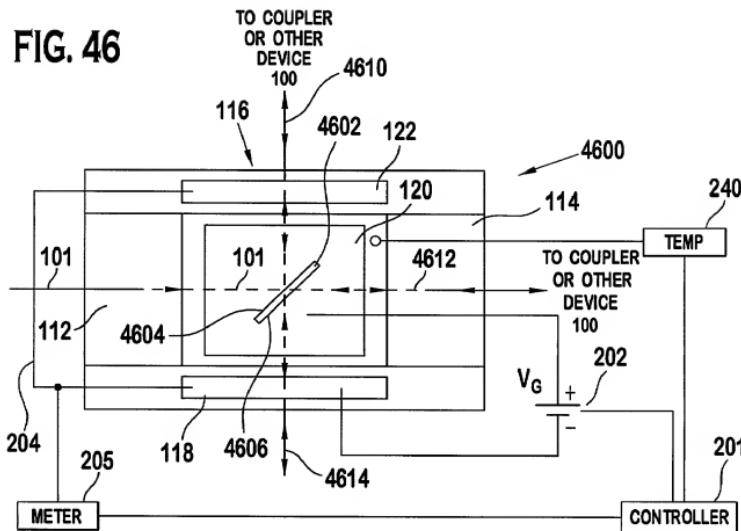


FIG. 47

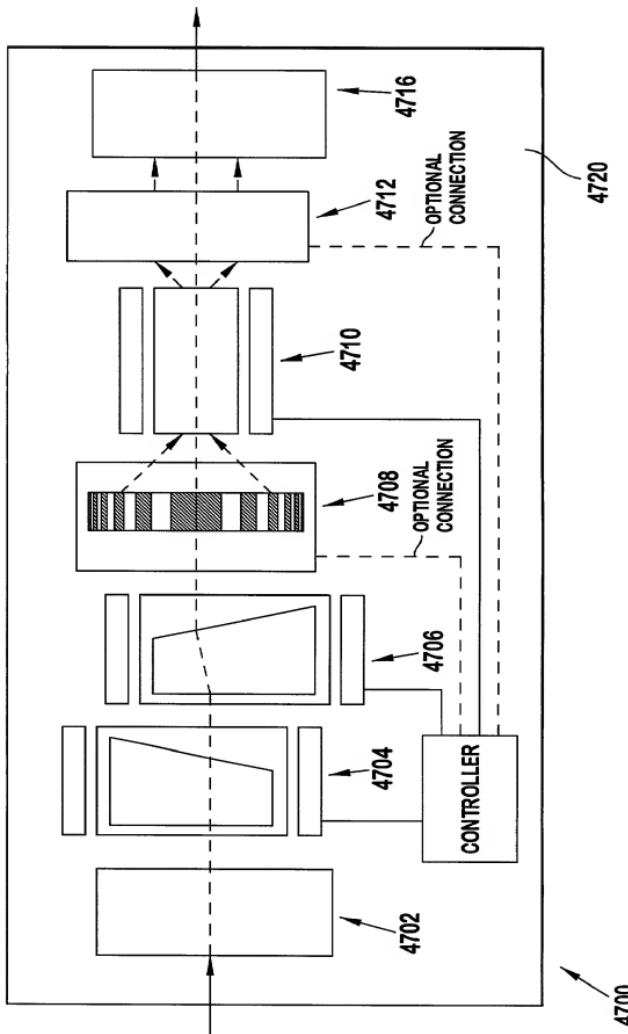


FIG. 48

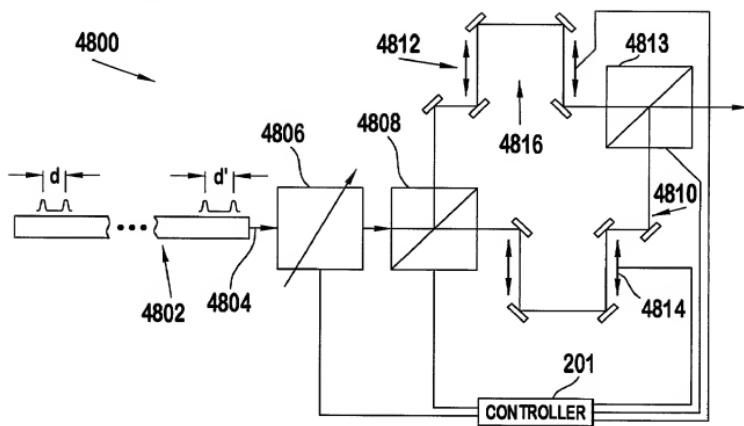


FIG. 49

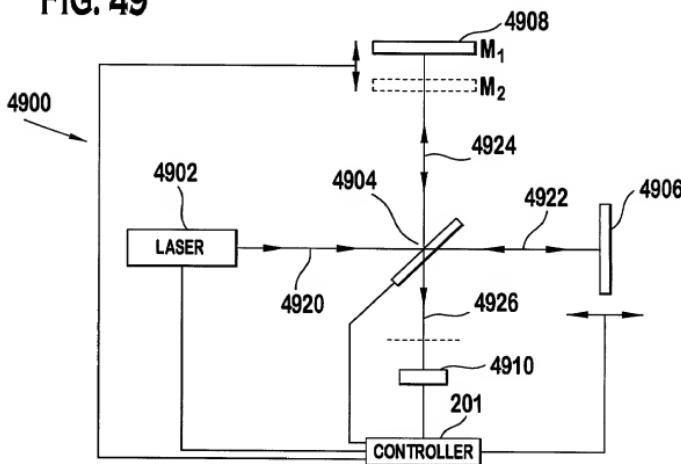


FIG. 50

